



THE ALARA* CONCEPT IN PEDIATRIC INTERVENTIONAL AND FLUOROSCOPIC IMAGING

** As Low as Reasonably Achievable*

FEBRUARY 11-12, 2006

**HYATT REGENCY ORLANDO
INTERNATIONAL AIRPORT**

ORLANDO, FLORIDA



CME provided by
Continuing
Medical Education
Resources, Inc.



Co-Sponsored by
National Institute of Health,
Department of Health and
Human Services

Register online at www.pedrad.org



TARGET AUDIENCE

This conference has been designed for radiologists, cardiologists, physicians, scientists, and technologists who treat and care for children and adolescents as well as those interested in influencing and improving standards for the treatment of children and adolescents.

CONFERENCE OBJECTIVES

This forum will address the potential for excessive radiation dose to pediatric patients in the context of using fluoroscopy and performing interventional radiologic and cardiologic procedures. The basis for reduction in dose while maintaining image quality, specific strategies for limiting dose in the medical imaging of children and reduction in dose of treating medical personnel will be addressed.

Experts in fluoroscopy and interventional radiologic and cardiologic procedures – including pediatric radiologists, physicists, pediatric cardiologists, and scientists will lead the discussion. Registrants will participate in the discussion and in the development of solutions.

The expected learning outcomes are to advance knowledge regarding the clinical indications, technical requirements, physical/radiobiologic rationale and therapeutic outcomes related to reducing radiation exposure during fluoroscopy and interventional procedures.

At the end of the conference, registrants should be able to:

- 1) Be familiar with the measures of radiation dose.
- 2) Understand the potential risks of radiation resulting from pediatric fluoroscopy and angiography.
- 3) Know contributions of various technical aspects of pediatric fluoroscopic and angiographic evaluation of children in contributing to radiation dose.
- 4) Be familiar with strategies for radiation protection for radiology staff.
- 5) Learn strategies to manage radiation exposure to patients during fluoroscopy and angiography.
- 6) Be able to implement programs for assessment and management in pediatric fluoroscopic and angiographic radiation exposures.

ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Continuing Medical Education Resources and The Society for Pediatric Radiology. Continuing Medical Education Resources is accredited by the ACCME to provide continuing medical education for physicians.

Continuing Medical Education Resources designates this educational activity for a maximum of 11.5 Category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.



**Register on-line at www.pedrad.org
Email: alara@meetingmanagers.com**

PLANNING COMMITTEE

SUE C. KASTE, DO
Co-Director
St. Jude Children's Research Hospital
Memphis, Tennessee

KEITH STRAUSS, MSc, FAAPM
Co-Director
Children's Hospital Boston
Boston, Massachusetts

BAIRBRE CONNOLLY, MB, FFRCRCSI, FRCPC
The Hospital for Sick Children
Toronto, ON, Canada

STEVEN DON, MD
Mallinckrodt Institute of Radiology
St. Louis, Missouri

DONALD P. FRUSH, MD
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Durham, North Carolina

THOMAS L. SLOVIS, MD
Children's Hospital of Michigan
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Houston, Texas

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Forchheim, Germany

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The Children's Hospital
Birmingham, Alabama

DAVID A. DIAMOND, MD
Children's Hospital of Boston
Boston, Massachusetts

HENRI JUSTINO, MD, CM, FRCPC, FACC
Texas Children's Hospital
Houston, Texas

RUTH A. KLEINERMAN, MPH
Radiation Epidemiology Branch, NCI, NIH
Rockville, Maryland

STEVEN J. KRAUS, MD
Cincinnati Children's Hospital Medical Center
Cincinnati, Ohio

MARTHA S. LINET, MD, MPH
Division of Cancer Epidemiology and Genetics,
NCI, NIH
Bethesda, Maryland

AVRUM N. POLLOCK, MD
The Children's Hospital of Philadelphia
Philadelphia, Pennsylvania

JOHN M. RACADIO, MD
Cincinnati Children's Hospital Medical Center
Cincinnati, Ohio

TONY SEIBERT, PhD
UC Davis Health System
Sacramento, California

RICHARD STUEVE
Philips Medical Systems, N.A.
Bothell, Washington

ISABELLE THIERRY-CHEF, PhD
Radiation Epidemiology Branch, NCI, NIH
Rockville, Maryland

RICHARD B. TOWBIN, MD
Philadelphia, Pennsylvania

LOUIS K. WAGNER, PhD, DABR, DABMP
The University of Texas Medical
School at Houston
Houston, Texas

VALERIE L. WARD, MD, MPH
Children's Hospital Boston
Harvard Medical School
Boston, Massachusetts

PROGRAM

THE ALARA* CONCEPT IN PEDIATRIC INTERVENTIONAL AND FLUOROSCOPIC IMAGING

**As Low As Reasonably Achievable*

FRIDAY, FEBRUARY 10

4:00 – 7:00 pm **Registration**

SATURDAY, FEBRUARY 11

7:30 – 8:30 am **Registration and Continental Breakfast**

8:30 – 8:45 am **Program Introduction, Welcome and Announcements**

Sue C. Kaste, DO and Keith Strauss, MSc, FAAPM

8:45 – 9:45 am **THE ROLE OF NCI/NIH IN RADIATION EXPOSURE**

Cancer Risk and Mortality in a Cohort of 145,000 Radiologic Technologists

Martha S. Linet, MD, MPH

Cancer Risks Following Diagnostic and Therapeutic Radiation Exposure in Children

Ruth A. Kleinerman, MPH

9:45 – 10:15 am **EQUIPMENT STRATEGIES TO REDUCE PEDIATRIC DOSES**

Keith Strauss, MSc, FAAPM

10:15 – 10:30 am **Coffee Break**

10:30 – 11:00 am **RELATING RADIATION RISKS TO THE RADIATION MANAGEMENT OF A FLUOROSCOPIC PROCEDURE**

Louis K. Wagner, PhD, DABR, DABMP

11:00 am – 12:00 pm **INTERVENTIONAL CARDIOLOGY**

Pediatric Cardiac Angiography: Techniques and Tactics for Managing Radiation Dose

Henri Justino, MD, CM, FRCPC, FACC

Conventional and CT Angiography in Children: Dosimetry and Dose Comparisons

Donald P. Frush, MD

12:00 – 1:30 pm **Lunch and Vendor Presentations**

1:30 – 2:45 pm **INTERVENTIONAL RADIOLOGY**

Neurointerventional Radiology – Doses in Pediatric Neurointerventional Radiology

Isabelle Thierry-Chef, PhD

Practical Tips and Strategy to Reduce Radiation Exposure to Patient

Bairbre Connolly, MB, FFRRCSI, FRCPC

Practical Tips and Strategy to Reduce Radiation Exposure to Operator and IR Staff

Richard B. Towbin, MD

Dosimetry Measurements on Modern IR Suite

John M. Racadio, MD

2:45 – 3:45 pm

GENERAL FLUOROSCOPY

GI Fluoroscopy Emphasizing Dose Reduction
Steven J. Kraus, MD

Patient Dose Reduction During VCUGs

Valerie L. Ward, MD, MPH

3:45 – 4:00 pm

Coffee Break

4:00 – 4:30 pm

TECHNIQUES TO ESTIMATE RADIATION DOSE AND TO SKIN DURING FLUOROSCOPICALLY GUIDED PROCEDURES

Stephen Balter, PhD, FAAPM, FACR, FSIR(hon)

4:30 – 5:00 pm

FLAT PANEL DETECTORS – HOW MUCH BETTER ARE THEY

Tony Seibert, PhD

5:00 – 5:30 pm

RADIATION MANAGEMENT IN FLUOROSCOPY: HOW AND WHY TO CREDENTIAL OPERATORS

Ben Archer, PhD

6:30 pm

Dinner

REFLUX – WHEN, HOW, WHY, WHY NOT?

David A. Diamond, MD

John T. Boyle, MD

Avrum N. Pollock, MD

SUNDAY, FEBRUARY 12

7:00 – 8:00 am

Registration and Continental Breakfast

8:00 – 9:30 am

SCIENTIFIC VENDOR PRESENTATIONS

Barry Belanger, PhD

Philipp Bernhardt

Richard Stueve

9:30 – 10:00 am

Coffee Break

10:00 – 10:30 am

VENDOR PANEL DISCUSSION

10:30 – 11:00 am

INTERVENTIONAL IMAGING EQUIPMENT ACQUISITION PROCESS: CRADLE TO GRAVE

Keith Strauss, MSc, FAAPM

11:00 am – 12:00 pm

CLOSING QUESTION AND ANSWER PANEL

MEETING MANAGEMENT

INTERNATIONAL MEETING MANAGERS, INC.

Meeting Manager: Kristen Brought

4550 Post Oak Place, Suite 342

Houston, TX 77027

(713) 965-0566 Phone

(713) 960-0488 Fax

alara@meetingmanagers.com



If you have any special needs, please contact International Meeting Managers at the address to the left in writing at

least two weeks before the meeting to ensure that your needs are met.

HOTEL INFORMATION

Hyatt Regency Orlando International Airport

(Located inside the main terminal of the airport)

9300 Airport Blvd. Orlando, Florida 32827

Tel: 407-825-1234 • Fax: 407-825-1269

When making reservations please identify yourself with the ALARA conference in order to receive the negotiated rate of \$159 per night. Reservations must be received by January 6, 2006. As rooms may still sell out prior to this date, it is strongly recommended that you make your reservations as early as possible. To make reservations please call the Hyatt Regency Orlando International Airport Hotel directly at 407-825-1234.

Check-in: 4 pm • Check-out: 12 pm

All Guest Rooms: \$159 per night plus applicable taxes

TRAVEL INFORMATION

- **Continental Airlines** is an official airline for the meeting and has discounted airfares available for attendees. For reservations, please contact your travel professional or the Continental Meeting Works desk at 800-468-7022. Outside of the toll-free dialing area, please contact your local Continental Reservations office. You must use the Reference Number U1QZC5 and **Z code ZHPC** to obtain a group fare.
- **American Airlines** is an official carrier for the conference and they have arranged for the attendees to receive a 5% discount off Coach and First Class fares. For fare and schedule information and to make your reservations, please call the American Airlines Meeting Services at 1-800-433-1790 and provide the **discount code 18468**.

REGISTRATION INFORMATION/FEES

Verification of Resident, Fellow or Technologist status must accompany registration. Fees must be made in U.S. Dollars only drawn on a U.S. Bank. Please make your check payable to ALARA. American Express, Visa and MasterCard are also accepted. A \$50 administrative fee will be retained if you cancel your registration for any reason. In order to receive a refund of the balance, we must receive written notice at least two weeks before the course begins; thereafter, no refunds will be made.

Due to a special arrangement, members of the **American Society of Radiologic Technologists (ASRT)** will receive a registration fee discount. In order to take advantage of the reduced registration rate, please indicate your member identification number in the given space on the registration form.

Please note, there is an additional fee of \$20.00 if you register by mail or fax. Save time and the extra fee by registering online at www.pedrad.org

Physician	\$215.00
Physicist	\$175.00
Resident / Fellow / Non-ASRT Technologist	\$150.00
ASRT Member	\$125.00
Guest Fee for Dinner	\$ 65.00

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FEBRUARY 11-12, 2006 – ORLANDO, FLORIDA

(Please Print or Type)

First Name _____ Middle Initial ____ Last Name _____

Degree _____ Institution _____ Department _____

Street Address _____

City _____ State/Province ____ Country _____ Zip _____

Daytime Telephone _____ Fax _____

E-Mail Address (For Confirmation Purposes) _____

SPR Member: Yes No Resident/ Fellow Yes No **(Letter of verification required)**

Please Check One:

Physician \$215.00

Physicist \$175.00

Resident/Fellow/Non-ASRT Technologist \$150.00

ASRT Member \$125.00 Member ID # _____

Guest Fee for Dinner \$ 65.00

Will you attend:

Saturday, February 11th Dinner? Yes No

Will you bring a guest (additional \$65 fee)? Yes No

First and Last Name of Guest for badge purposes: _____

Amount of Registration Fee Enclosed: \$ _____

(Please include additional \$20.00 if registering by mail or fax)

Credit Card Company (Check One) American Express Visa MasterCard

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Registration Disclaimer:

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Signature _____ Date _____

Make U.S. Bank Check or International Money Order to: ALARA
Send completed Registration form with Registration Fee to:

International Meeting Managers – ALARA

4550 Post Oak Place, Suite 342

Houston, Texas 77027

Phone: 713-965-0566

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SPR

**The ALARA* Concept in Pediatric
Interventional and Fluoroscopic Imaging**

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